

ABSTRACT OF THE DISCLOSURE

A projector has an image generating device for generating an image, and a housing, having the image generating device disposed therein
5 and having an opening defined therein for emitting therethrough projection light representing the image from the image generating device. A projection mirror is mounted on an outer surface of the housing for reflecting the projection light to project the image onto a projection surface. An optical system is disposed in the opening for applying the projection light to the projection mirror. The projector also has a foreign matter detector for detecting foreign matter which enters
10 a light path of the projection light between the optical system and the projection mirror.